

What is claimed:

1. A communique system for providing communique communication services to subscribers, each of whom are equipped with a wireless subscriber device, via a cellular communication network that includes a plurality of cell sites, each of which provides a plurality of wireless communication channels in a cell that covers a predetermined volume of space around a cell site transmitting antenna, comprising:

means for storing subscriber information for each of a plurality of subscribers;

means for identifying subscribers, whose wireless subscriber device is active in a cell of said cellular communication network, for at least one of said cells;

means for automatically generating data that identifies a plurality of subscribers, who comprise at least one community of subscribers, as a function of said stored subscriber information for said identified subscribers;

means for selecting at least one of said plurality of cells to provide a communique communication service to subscribers who are members of said at least one community of subscribers; and

means for routing information constituting said communique communication service from a selected program source to cell sites associated with said selected at least one of said plurality of cells for transmission via a one of said plurality of wireless communication channels to wireless subscriber devices of ones of said identified subscribers who are present in said selected at least one of said plurality of cells.

2. The communique system of claim 1 wherein said means for storing comprises:

communique location register means for storing at least one of: a subscriber's authorization, a subscriber's service plan, and a subscriber profile.

3. The communique system of claim 1 wherein said means for automatically generating comprises:

means for correlating said identified subscribers with program data indicative of said communique communication service from a selected program source to create data indicative of subscribers interested in said communique communication service in each of said cells.

4. The communique system of claim 3 wherein said means for selecting comprises:

means for managing spatial temporal content of said communique communication service as a function of at least one of: number of said identified subscribers entering into and moving out of a cell or narrowcast region of said cellular communication network, number of subscribers active in a cell or narrowcast region of said cellular communication network, services requested by said identified subscribers active in a cell or narrowcast region of said cellular communication network, density of subscribers active in said cellular communication network.

5. The communique system of claim 1 wherein said means for selecting comprises:

means for dynamically revising selection of at least one of said plurality of cells to provide a communique communication service to subscribers who are members of said at least one community of subscribers.

6. The communique system of claim 1 wherein said means for selecting comprises:

means, responsive to occurrence of an event, for identifying a temporal and spatial extent of said communique communication service; and

means for translating said identified temporal and spatial extent into said set of said cells.

7. The communique system of claim 1 further comprising:

means for enabling each of said plurality of wireless subscriber devices of ones of said identified subscribers who are present in said selected at least one of said plurality of cells to receive said information via said one of said plurality of wireless communication channels.

8. The communique system of claim 7 wherein said means for enabling comprises:

means for identifying each of said plurality of wireless subscriber devices via a communique address assigned to said plurality of wireless subscriber devices to enable the cell sites to recognize each of said plurality of wireless subscriber devices without requiring a unique identity for each of said plurality of wireless subscriber devices.

9. The communicate system of claim 8 wherein said means for identifying comprises:

means for assigning a common MIN as said communicate address assigned to said plurality of wireless subscriber devices to enable the cell sites to recognize each of said plurality of wireless subscriber devices without requiring a unique identity for each of said plurality of wireless subscriber devices.

10. The communicate system of claim 7 wherein said means for enabling comprises:

means for registering at least one of said plurality of wireless subscriber devices to uniquely identify said at least one wireless subscriber device; and

means for authorizing said at least one wireless subscriber device to receive a subscriber selected communicate.

11. The communicate system of claim 1 wherein said means for routing operates in at least one information distribution mode selected from the class of information distribution modes including: push, pull, and combinations of push/pull information distribution modes.

12. The communicate system of claim 1 wherein said means for selecting comprises:

means for creating temporal and spatial extent of narrowcast in the content domain.

13. The communicate system of claim 12 wherein said means for creating temporal and spatial extent comprises:

means for defining program segments for a plurality of communicates that are excerpted from a program stream in at least one of said plurality of cell sites.

14. The communicate system of claim 13 further comprising:

means for transmitting a program stream to said plurality of wireless subscriber devices served by said selected at least one of said plurality of cell sites; and

control signal means for transmitting program stream parsing control signals to said plurality of wireless subscriber devices served by said selected at least one of said plurality of cell sites to define at least one communicate that is excerpted from said program stream.

15. The communique system of claim 14 further comprising:
 means for transmitting a program stream to a plurality of cell sites; and
 means for transmitting program stream parsing control signals to said at least
 one of said plurality of cell sites to define at least one communique that is excerpted
 5 from a program stream in said at least one of said plurality of cell sites.

16. The communique system of claim 15 further comprising:
 means, located in said plurality of cell sites, for generating a plurality of
 communiques from said received program stream and said program stream parsing
 control signals; and
 10 means for transmitting said plurality of communiques to said plurality of wireless
 subscriber devices served by said selected at least one of said plurality of cell sites.

17. A method of operating a communique system for providing communique
 communication services to subscribers, each of whom are equipped with a wireless
 subscriber device, via a cellular communication network that includes a plurality of cell
 sites, each of which provides a plurality of wireless communication channels in a cell
 that covers a predetermined volume of space around a cell site transmitting antenna,
 comprising the steps of:

20 storing subscriber information for each of a plurality of subscribers;
 identifying subscribers, whose wireless subscriber device is active in a cell of
 said cellular communication network, for at least one of said cells;

automatically generating data that identifies a plurality of subscribers, who
 comprise at least one community of subscribers, as a function of said stored
 subscriber information for said identified subscribers;

25 selecting at least one of said plurality of cells to provide a communique
 communication service to subscribers who are members of said at least one
 community of subscribers; and

30 routing information constituting said communique communication service from
 a selected program source to cell sites associated with said selected at least one of
 said plurality of cells for transmission via a one of said plurality of wireless
 communication channels to wireless subscriber devices of ones of said identified
 subscribers who are present in said selected at least one of said plurality of cells.

18. The method of operating a communique system of claim 17 wherein said
 step of storing comprises:

communicate location register means for storing at least one of: a subscriber's authorization, a subscriber's service plan, and a subscriber profile.

19. The method of operating a communicate system of claim 17 wherein said means for automatically generating comprises:

means for correlating said identified subscribers with program data indicative of said communicate communication service from a selected program source to create data indicative of subscribers interested in said communicate communication service in each of said cells.

20. The method of operating a communicate system of claim 19 wherein said step of selecting comprises:

managing spatial temporal content of said communicate communication service as a function of at least one of: number of said identified subscribers entering into and moving out of a cell or narrowcast region of said cellular communication network, number of subscribers active in a cell or narrowcast region of said cellular communication network, services requested by said identified subscribers active in a cell or narrowcast region of said cellular communication network, density of subscribers active in said cellular communication network.

21. The method of operating a communicate system of claim 17 wherein said step of selecting comprises:

dynamically revising selection of at least one of said plurality of cells to provide a communicate communication service to subscribers who are members of said at least one community of subscribers.

22. The method of operating a communicate system of claim 17 wherein said step of selecting comprises:

identifying, in response to occurrence of an event, a temporal and spatial extent of said communicate communication service; and
translating said identified temporal and spatial extent into said set of said cells.

23. The method of operating a communicate system of claim 17 further comprising the step of:

enabling each of said plurality of wireless subscriber devices of ones of said identified subscribers who are present in said selected at least one of said plurality of

cells to receive said information via said one of said plurality of wireless communication channels.

24. The method of operating a communicate system of claim 23 wherein said step of enabling comprises:

identifying each of said plurality of wireless subscriber devices via a communicate address assigned to said plurality of wireless subscriber devices to enable the cell sites to recognize each of said plurality of wireless subscriber devices without requiring a unique identity for each of said plurality of wireless subscriber devices.

25. The method of operating a communicate system of claim 24 wherein said step of identifying comprises:

assigning a common MIN as said communicate address assigned to said plurality of wireless subscriber devices to enable the cell sites to recognize each of said plurality of wireless subscriber devices without requiring a unique identity for each of said plurality of wireless subscriber devices.

26. The method of operating a communicate system of claim 23 wherein said step of enabling comprises:

registering at least one of said plurality of wireless subscriber devices to uniquely identify said at least one wireless subscriber device; and

authorizing said at least one wireless subscriber device to receive a subscriber selected communicate.

27. The method of operating a communicate system of claim 17 wherein said step of routing operates in at least one information distribution mode selected from the class of information distribution modes including: push, pull, and combinations of push/pull information distribution modes.

28. The method of operating a communicate system of claim 17 wherein said step of selecting comprises:

creating temporal and spatial extent of narrowcast in the content domain.

29. The method of operating a communicate system of claim 28 wherein said step of creating temporal and spatial extent comprises:

defining program segments for a plurality of communiques that are excerpted from a program stream in at least one of said plurality of cell sites.

30. The method of operating a communique system of claim 29 further comprising the step of:

transmitting a program stream to said plurality of wireless subscriber devices served by said selected at least one of said plurality of cell sites; and

transmitting program stream parsing control signals to said plurality of wireless subscriber devices served by said selected at least one of said plurality of cell sites to define at least one communique that is excerpted from said program stream.

31. The method of operating a communique system of claim 30 further comprising the step of:

transmitting a program stream to a plurality of cell sites; and

transmitting program stream parsing control signals to said at least one of said plurality of cell sites to define at least one communique that is excerpted from a program stream in said at least one of said plurality of cell sites.

32. The method of operating a communique system of claim 31 further comprising the step of:

generating, in said plurality of cell sites, a plurality of communiques from said received program stream and said program stream parsing control signals; and

transmitting said plurality of communiques to said plurality of wireless subscriber devices served by said selected at least one of said plurality of cell sites.

33. A communique system for providing communique communication services to subscribers, who are equipped with wireless subscriber devices, via a cellular communication network that includes a plurality of cell sites, each of which provides a plurality of wireless communication channels in a cell that covers a predetermined volume of space around a cell site transmitting antenna, comprising:

communique location register means for storing data comprising at least one of: a subscriber's authorization, a subscriber's service plan, and a subscriber profile for each of a plurality of subscribers;

subscriber population identification means for identifying subscribers, whose wireless subscriber device is active in a cell site of said cellular communication network, for at least one of said cell sites;

community manager means for automatically generating data that identifies a plurality of subscribers, who comprise at least one community of subscribers, as a function of said stored subscriber profiles for said identified subscribers;

temporal spatial communicate manager means for selecting at least one of said plurality of cell sites to provide a communicate communication service to subscribers who are members of said at least one community of subscribers; and

program manager means for routing information constituting said communicate communication service from at least one selected program source to said selected at least one of said plurality of cell sites for transmission via a one of said plurality of wireless communication channels to a plurality of wireless subscriber devices served by said selected at least one of said plurality of cell sites.

34. The communicate system of claim 33 wherein said community manager means comprises:

audience determination means for correlating said identified subscribers with program data indicative of said communicate communication service from a selected program source to create data indicative of subscribers interested in said communicate communication service in each of said cells.

35. The communicate system of claim 34 wherein said temporal spatial communicate manager means comprises:

population determining means for managing spatial temporal content of said communicate communication service as a function of at least one of: number of said identified subscribers entering into and moving out of a cell or narrowcast region of said cellular communication network, number of subscribers active in a cell or narrowcast region of said cellular communication network, services requested by said identified subscribers active in a cell or narrowcast region of said cellular communication network, density of subscribers active in said cellular communication network.

36. The communicate system of claim 33 wherein said temporal spatial communicate manager means comprises:

audience updating means for dynamically revising selection of at least one of said plurality of cells to provide a communicate communication service to subscribers who are members of said at least one community of subscribers.

37. The communicate system of claim 33 wherein said temporal spatial communicate manager means comprises:

communicate extent determining means, responsive to occurrence of an event, for identifying a temporal and spatial extent of said communicate communication service; and

coverage determining means for translating said identified temporal and spatial extent into said set of said cells.

38. The communicate system of claim 33 further comprising:

subscriber authorization means for enabling each of said plurality of wireless subscriber devices of ones of said identified subscribers who are present in said selected at least one of said plurality of cells to receive said information via said one of said plurality of wireless communication channels.

39. The communicate system of claim 33 wherein said temporal spatial communicate manager means comprises:

communicate extent determining means for creating temporal and spatial extent of narrowcast in the content domain.

40. The communicate system of claim 39 wherein said communicate extent determining means comprises:

content scheduling means for defining program segments for a plurality of communicates that are excerpted from a program stream in at least one of said plurality of cell sites.

41. The communicate system of claim 40 further comprising:

distribution means for transmitting a program stream to said plurality of wireless subscriber devices served by said selected at least one of said plurality of cell sites; and

control signal means for transmitting program stream parsing control signals to said plurality of wireless subscriber devices served by said selected at least one of said plurality of cell sites to define at least one communicate that is excerpted from said program stream.

42. The communicate system of claim 41 further comprising:

link means for transmitting a program stream to a plurality of cell sites; and

control means for transmitting program stream parsing control signals to said at least one of said plurality of cell sites to define at least one communique that is excerpted from a program stream in said at least one of said plurality of cell sites.

5 43. The communique system of claim 42 further comprising:

base station means, located in said plurality of cell sites, for generating a plurality of communiques from said received program stream and said program stream parsing control signals; and

10 transmitter means for transmitting said plurality of communiques to said plurality of wireless subscriber devices served by said selected at least one of said plurality of cell sites.